

AMENDMENTS TO ABSTRACT

Please amend the Abstract of this invention beginning at page 49, line 2 as follows:

A freeway routing system that connects interface groups in said field programmable gate array. The freeway system ~~having~~ has a first set of routing conductors configured to transfer signals to the input ports of at least one interface group in a first tile of the field programmable gate array and configured to transfer signals from the output ports of other tiles in the ~~filed~~ field programmable gate array. The first set of conductors include vertical conductors that form intersections horizontal conductors and programmable interconnect elements located at ~~said~~ the intersections of the vertical conductors and horizontal conductors in a diagonal orientation to connect each of horizontal conductors to one of the vertical conductors.